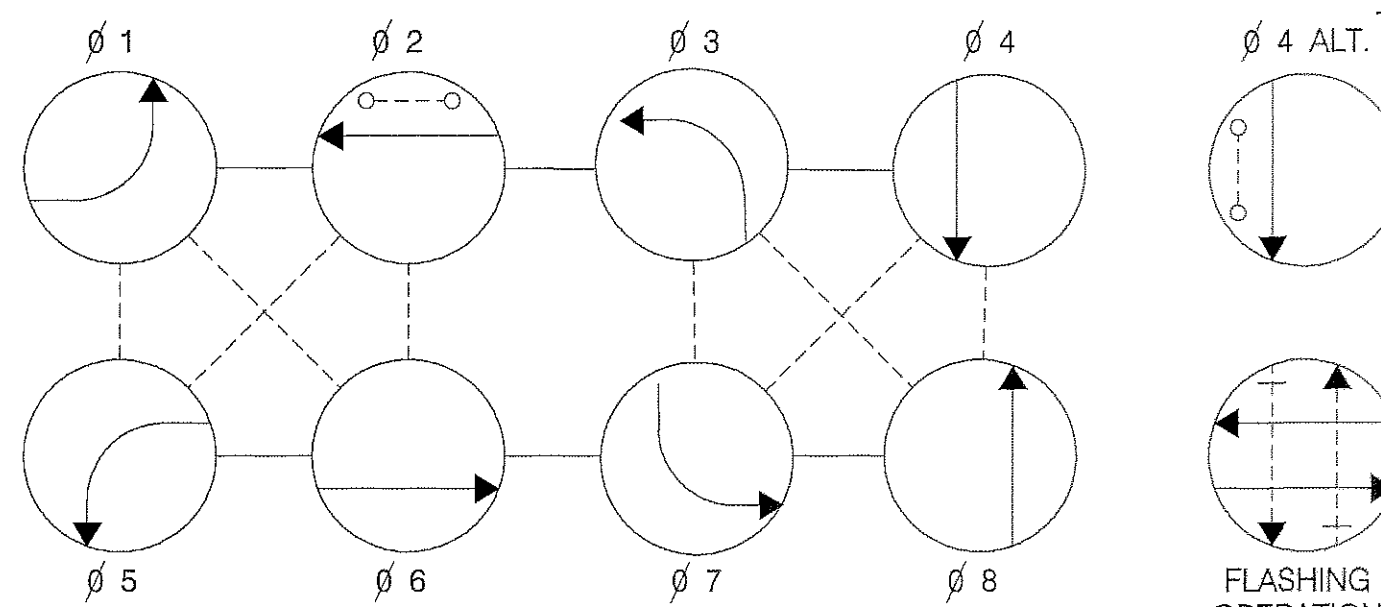


MD 2 IS ASSUMED TO RUN
IN A NORTH - SOUTH DIRECTION

NEMA PHASING



PHASING NOTES:

- 1) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- 2) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

RIGHT-OF-WAY

MD 2 SOUTHBOUND

MD 2 NORTHBOUND

ONLY

CONSTRUCTION DETAILS

- INSTALL 27 FT. STEEL POLE WITH A 74 FT. MAST ARM, 15 FT. STREET LIGHTING ARM, VIDEO TRAFFIC DETECTION CAMERA ON LIGHTING ARM AND 250 WATT H.P.S.V. LUMINAIRE (NOTE: 1-2 IN. AND 1-4 IN., SCHEDULE 80, PVC CONDUIT BENDS) (PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTON AND SIGN ON NORTH WEST POLE)
- INSTALL BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2-2 IN. AND 2-4 IN., SCHEDULE 80 PVC CONDUIT BENDS).
- INSTALL MICRO-LOOP PROBE SET WITH 500 FT. LEAD-IN.
- VIDEO TRAFFIC DETECTOR FIELD FOR PRESENCE DETECTION.
- INSTALL HANDHOLE.
- INSTALL 1 IN. LIQUID-TIGHT, NON-METALLIC CONDUIT - DETECTOR SLEEVE (ONE PER DETECTOR).
- INSTALL 4 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 4 IN. SCHEDULE 80 POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
- INSTALL MICRO-LOOP PROBE WITH 1000 FT. LEAD-IN.
- REMOVE EXISTING SPAN WIRE AND SIGNAL HEADS.
- REMOVE EXISTING STEEL STRAIN POLE.
- VIDEO TRAFFIC DETECTOR FIELD FOR SAMPLING DETECTION.
- VIDEO TRAFFIC DETECTOR FIELD FOR ADVANCED DETECTION.
- INSTALL VIDEO TRAFFIC DETECTION CAMERA.
- INSTALL 27 FT. STEEL POLE WITH A 60 FT. MAST ARM, SIGNS, PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTON AND SIGN, 15 FT. STREET LIGHTING ARM, VIDEO TRAFFIC DETECTION CAMERA ON LIGHTING ARM AND 250 WATT H.P.S.V. LUMINAIRE (NOTE: 1-2 IN. AND 1-4 IN., SCHEDULE 80, PVC CONDUIT BENDS).

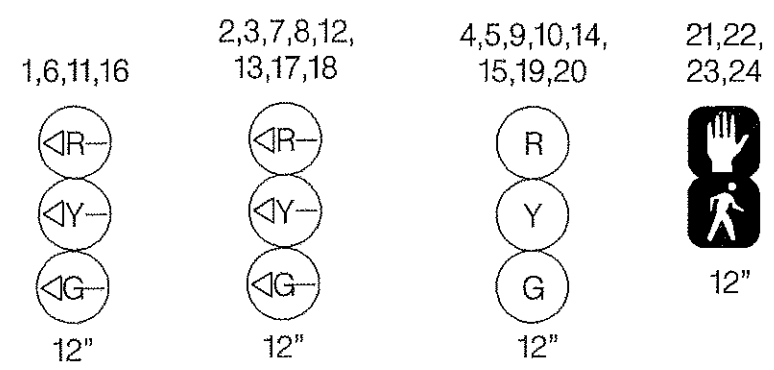
UTILITY LEGEND

- | | |
|--------|------------------|
| — G — | GAS MAIN |
| — W — | WATER MAIN |
| — S — | SEWER MAIN |
| — SD — | STORM DRAIN |
| — TV — | CABLE TELEVISION |
| — E — | ELECTRIC CABLES |
| — T — | TELEPHONE CABLES |
| — A — | AERIAL CABLES |

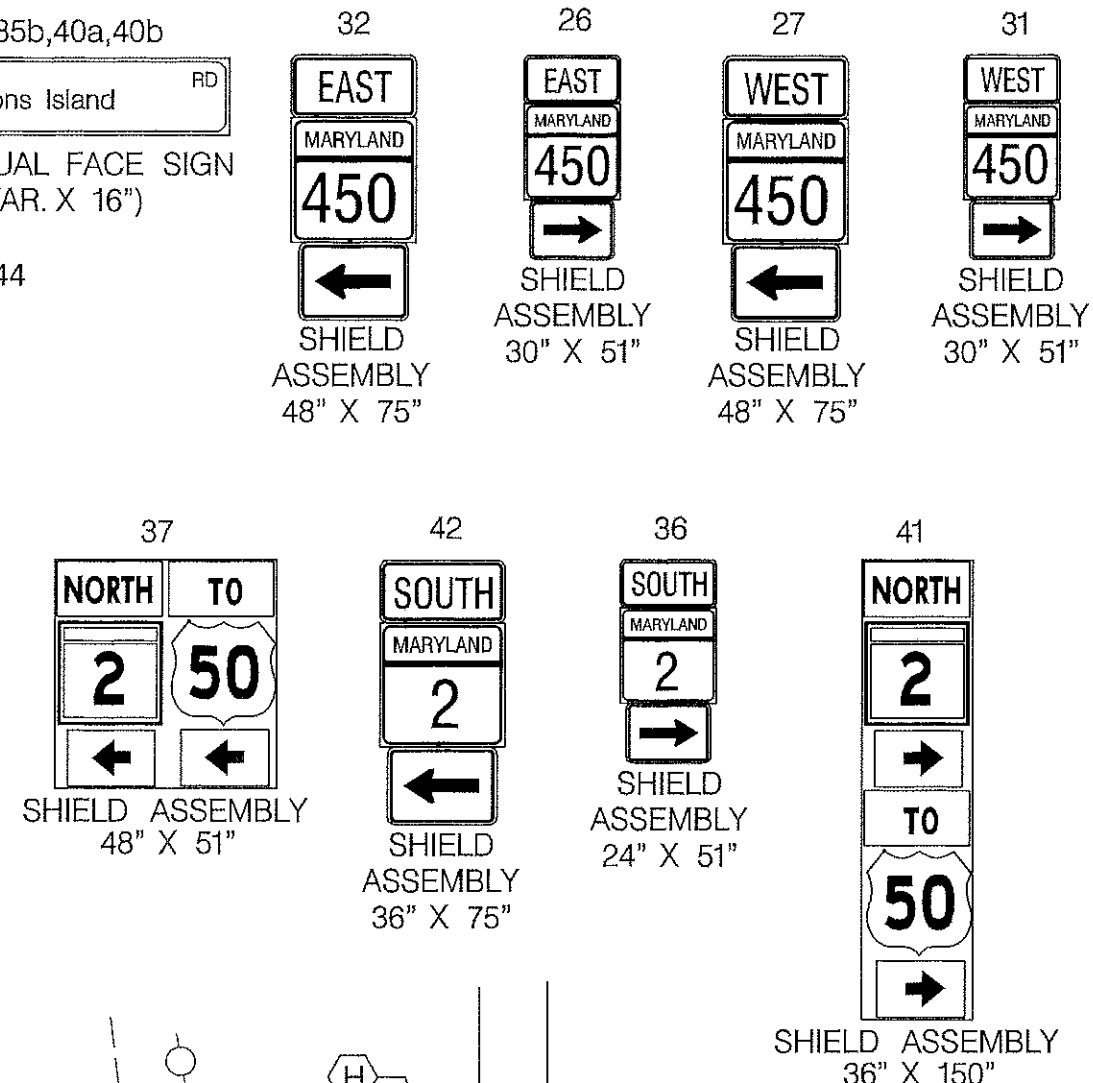
GEOMETRICS

- | | |
|-------|---------------------|
| ===== | PROPOSED GEOMETRICS |
| ----- | EXISTING GEOMETRICS |

PROPOSED SIGNALS



PROPOSED SIGNS



PROPOSED VIDEO TRAFFIC
DETECTION SYSTEM

RIGHT-OF-WAY

MD 2 SOUTHBOUND

MD 2 NORTHBOUND

GENERAL NOTES

1. DISCONNECT AND ABANDON EXISTING LOOP DETECTORS ON NORTHBOUND MD 2
2. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
4. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
5. FOR EXACT LOCATION OF PAVEMENT MARKINGS, SEE PAVEMENT MARKING PLAN
6. REMOVE EXISTING HANDHOLES WHERE SHOWN ON THE PLAN.
7. CAP AND ABANDON EXISTING CONDUIT WHERE SHOWN ON THE PLAN.
8. 2 CAMERAS ARE MOUNTED ON EACH 15' STREET LIGHTING ARM
9. SEE SHEET 210 FOR STRIPING DETAILS
10. A.D.A. RAMPS NOT SHOWN ON CORNER ISLANDS DUE TO INTERFERENCE WITH OTHER DETAILS

RIGHT-OF-WAY

REVISIONS

| NO. | DESCRIPTION | DATE |
|-----|---|----------|
| 1 | MODIFICATION OF SIGNAL FOR DOUBLE LEFT TURN, ALL APPROACHES | 03/06/02 |
| 2 | NEW MAINLINE LOOPS AND ROAD GEOMETRICS | 07/07/02 |
| 3 | AS-BUILT | 07/07/02 |

APPROVALS

| |
|---|
| TEAM LEADER TRAFFIC ENGINEERING DESIGN DIVISION |
| ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION |
| CHIEF TRAFFIC ENGINEERING DESIGN DIVISION |
| DIRECTOR, TRAFFIC & SAFETY |



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 2 AND MD 450

TRAFFIC SIGNALIZATION PLAN

DRAWN BY: S.F.N.
CHECKED BY: F.A.C.
SCALE: 1" = 20'
DATE: MARCH 2002

F.A.P. NO.: SEE TITLE SHEET
S.H.A. NO.: A4184501585
COUNTY: ANNE ARUNDEL
LOG MILE:

TS NO.: TS-1383C
T.I.M.S. NO.: E-158X

SHEET NO.: 207 266

A/E GROUP, INC.
ENGINEERS • PLANNERS
181 E. Main Street
Westminster, Maryland 21158
A/E Job No. 99-386

